



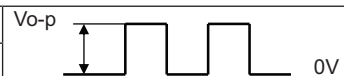
MODEL: CMT-1403-87-SMT-TR | **DESCRIPTION:** MAGNETIC BUZZER TRANSDUCER

FEATURES

- surface mount
- SPL 87 dB
- magnetic
- externally driven



SPECIFICATIONS

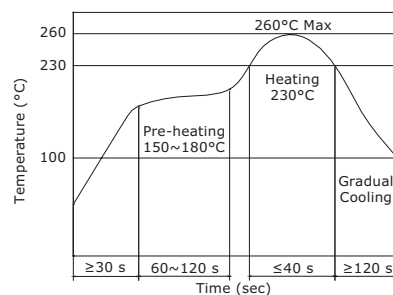
parameter	conditions/description	min	typ	max	units
rated voltage			5.0		Vo-p
operating voltage	0V	3.0		6.0	Vo-p
current consumption	at rated voltage, 2,730 Hz, ½ duty square wave			80	mA
rated frequency			2,730		Hz
sound pressure level	at 10 cm, rated voltage, 2,730 Hz, ½ duty square wave	87	92		dB
coil resistance		40	43	46	Ω
dimensions	14 x 11 x 3				mm
weight			1.0		g
material	LCP (black)				
terminal	surface mount (brass)				
operating temperature		-40		85	°C
storage temperature		-40		85	°C
RoHS	yes				

Notes: 1. All specifications measured at 25±3°C, humidity at 60-70%, under 86-106 kPa pressure, unless otherwise noted.

SOLDERABILITY

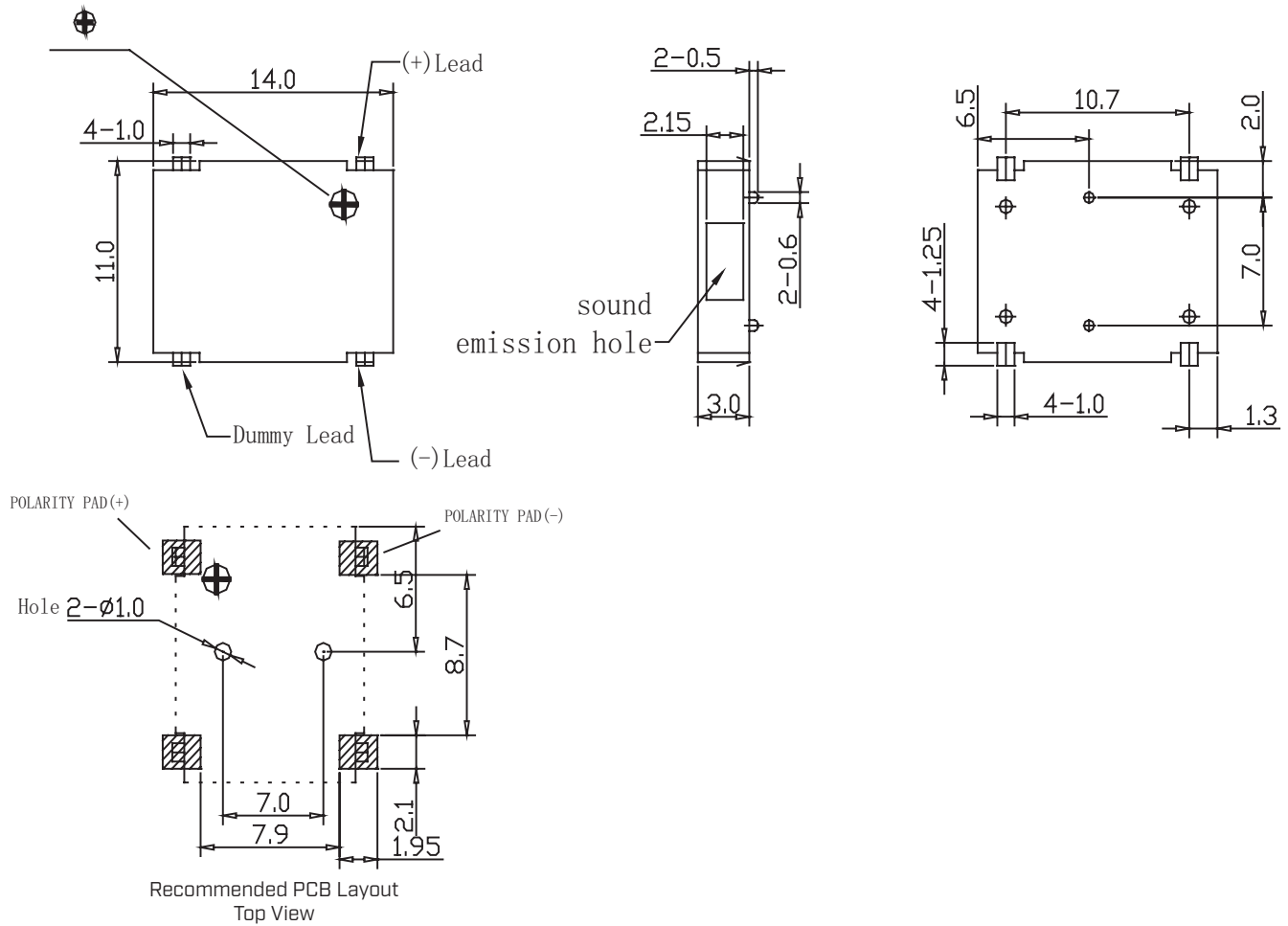
parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity <60%			25	°C
reflow soldering ²	see recommended reflow soldering profile			260	°C
drying conditions ³	bake at 40°C for 24 hours				

Note: 2. It is recommended to reflow solder within 48 hours from opening vacuum packaging at a temperature <30°C & relative humidity <60%.
 3. When out of packaging for more than 48 hours.

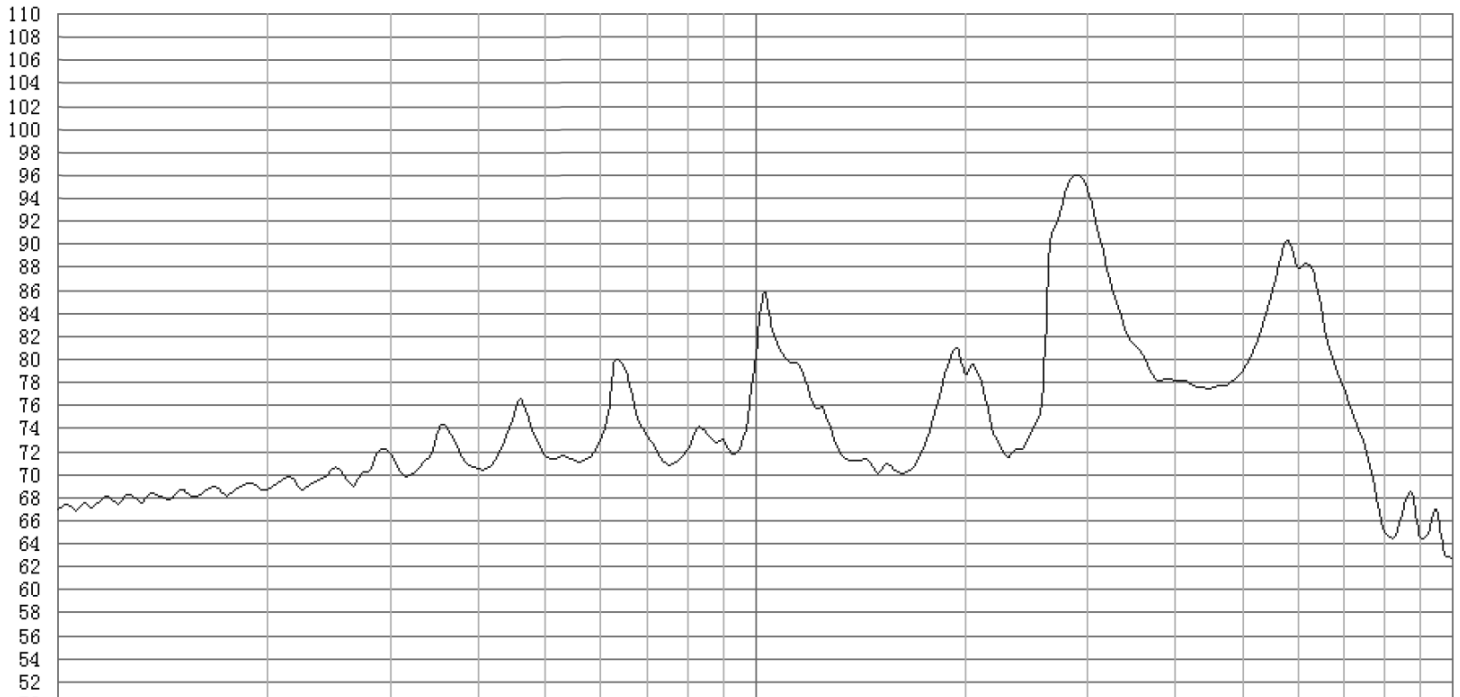


MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm



FREQUENCY RESPONSE CURVE



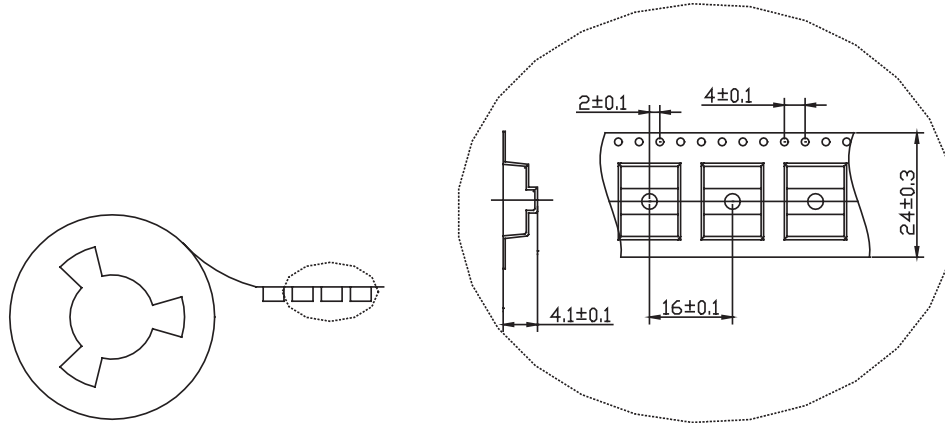
APPLICATION CIRCUIT



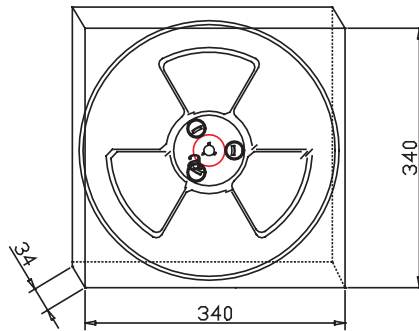
PACKAGING

units: mm

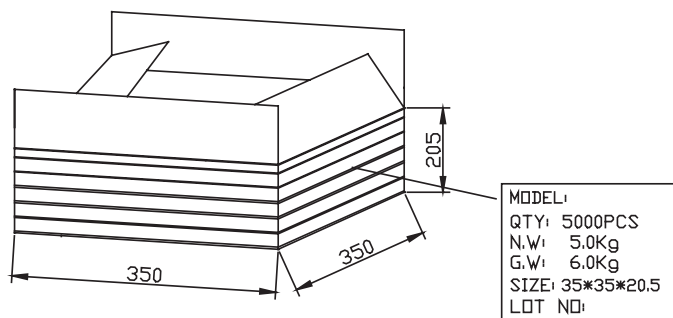
Reel Size: $\varnothing 330$ mm
Reel QTY: 1,000 pcs per reel
Carton Size: 350 x 350 x 205 mm
Carton QTY: 5,000 pcs per carton



1000PCS/CARRIER REEL



1ROLL CARRIER REEL/INNER BOX



5000PCS/CTN

REVISION HISTORY

rev.	description	date
1.0	initial release	07/18/2019
1.01	brand update	12/18/2019
1.02	logo, datasheet style update	08/05/2022
1.03	changed to black housing, changed packaging	09/01/2022
1.04	CUI Devices rebranded to Same Sky	09/11/2024

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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